

ABSTRACT

The present invention describes a method for isolating novel G-protein coupled receptors (GPCRs) whose expression is associated with disease states. The invention provides polynucleotide and polypeptide sequences whose expression is associated with neurodegenerative diseases and cancer. The invention also provides evidence of novel G-protein coupled receptors (GPCRs) related polynucleotide sequences whose expression level is associated with Parkinson's disease, Alzheimer's disease and leukemia. The present invention provides methods for identifying GPCR polypeptides associated with diseases and provides diagnostic compositions and methods for the detection of diseases.